

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/050320

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C07K14/575 C07K7/06 A61K38/22 A61P5/48										
According to International Patent Classification (IPC) or to both national classification and IPC										
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07K A61K A61P										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  EPO-Internal, MEDLINE, WPI Data, PAJ, CHEM ABS Data, EMBASE, BIOSIS										
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Category *</th> <th style="text-align: left; padding: 2px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; padding: 2px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">EP 0 885 904 A (FRAUNHOFER GES FORSCHUNG) 23 December 1998 (1998-12-23) abstract page 3, paragraph 2 -----</td> <td style="padding: 2px;">1-19</td> </tr> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">US 2002/119926 A1 (FRASER PAUL) 29 August 2002 (2002-08-29) abstract; claims; figure 2 ----- -/-</td> <td style="padding: 2px;">1-19</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	EP 0 885 904 A (FRAUNHOFER GES FORSCHUNG) 23 December 1998 (1998-12-23) abstract page 3, paragraph 2 -----	1-19	Y	US 2002/119926 A1 (FRASER PAUL) 29 August 2002 (2002-08-29) abstract; claims; figure 2 ----- -/-	1-19
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Y	EP 0 885 904 A (FRAUNHOFER GES FORSCHUNG) 23 December 1998 (1998-12-23) abstract page 3, paragraph 2 -----	1-19								
Y	US 2002/119926 A1 (FRASER PAUL) 29 August 2002 (2002-08-29) abstract; claims; figure 2 ----- -/-	1-19								
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.										
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the International filing date but later than the priority date claimed										
*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family										
Date of the actual completion of the International search	Date of mailing of the International search report									
6 August 2004	20/08/2004									
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  Cervigni, S									

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MORIARTY D F ET AL: "Effects of sequential proline substitutions on amyloid formation by human amylin <sup>20-29</sup> ." BIOCHEMISTRY. UNITED STATES 9 FEB 1999, vol. 38, no. 6, 9 February 1999 (1999-02-09), pages 1811-1818, XP002249402 ISSN: 0006-2960 cited in the application abstract page 1817, column 1 -----	1-19
A	WESTERMARK P ET AL: "ISLET AMYLOID POLYPEPTIDE: PINPOINTING AMINO ACID RESIDUES LINKED TO AMYLOID FIBRIL FORMATION" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 87, no. 13, 1 July 1990 (1990-07-01), pages 5036-5040, XP000137094 ISSN: 0027-8424 -----	
Y	WO 96/39834 A (UNIV NEW YORK) 19 December 1996 (1996-12-19) page 25 -----	1-19
Y	SOTO C ET AL: "BETA-SHEET BREAKER PEPTIDES INHIBIT FIBRILLOGENESIS IN A RAT BRAIN MODEL OF AMYLOIDOSIS: IMPLICATIONS FOR ALZHEIMER'S THERAPY" NATURE MEDICINE, NATURE PUBLISHING, CO, US, vol. 4, no. 7, 1998, pages 822-826, XP000914747 ISSN: 1078-8956 page 822, column 1 -----	1-19
A	EP 1 162 207 A (AMYLIN PHARMACEUTICALS INC) 12 December 2001 (2001-12-12) -----	

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/EP2004/050320**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 18-19 because they relate to subject matter not required to be searched by this Authority, namely:  
*Although claims 18-19 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.*
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple Inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/050320

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0885904	A	23-12-1998		DE 19725619 A1 AT 262540 T CA 2240005 A1 DE 59811036 D1 DK 885904 T3 EP 0885904 A1 JP 11071393 A US 2001007015 A1	24-12-1998 15-04-2004 17-12-1998 29-04-2004 05-07-2004 23-12-1998 16-03-1999 05-07-2001
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EP 1162207	A	12-12-2001		EP 1162207 A1 AT 205854 T AU 714439 B2 AU 1245697 A AU 673147 B2 AU 3075392 A CA 2100745 A1 CZ 9301689 A3 DE 69232064 D1 DE 69232064 T2 DK 567626 T3 EP 0567626 A1 ES 2161697 T3 FI 933252 A GR 3036794 T3 HU 64975 A2 JP 11152299 A JP 2902115 B2 JP 6504794 T JP 2003238594 A NO 932603 A RU 2130463 C1 SK 88793 A3 WO 9310146 A1 US 5686411 A US 2002187923 A1 US 2004038900 A1 US 5998367 A	12-12-2001 15-10-2001 06-01-2000 27-03-1997 31-10-1996 15-06-1993 20-05-1993 13-04-1994 25-10-2001 28-03-2002 17-12-2001 03-11-1993 16-12-2001 23-08-1993 31-01-2002 28-03-1994 08-06-1999 07-06-1999 02-06-1994 27-08-2003 17-09-1993 20-05-1999 07-12-1994 27-05-1993 11-11-1997 12-12-2002 26-02-2004 07-12-1999